VARIETY TRIALS

The Irrigated Cropping Council has conducted irrigated wheat variety trials on their Kerang site since 2002.

Variety trials provide a valuable long-term resource to help growers make decisions about what varieties to use in their farm systems based on local independent research.

The variety trials provide results about how various crops and varieties perform in local conditions and under irrigation.

TRIAL OPERATIONS

**April 24th**  
Sown at 1.9 – 3.9 kg/ha with 125 kg/ha DAP, targeting 40 plants/m² and watered up (1.5 Ml/ha)

**May 21st**  
Clethodim 240 (500 ml/ha)

**June 17th**  
Lontrel Adv (125ml/ha)

**July 1st**  
Topdressing 55 kg N/ha

**August 5th**  
Topdressing 25 kg N/ha. Total N was 300 kg N/ha, including soil N, starter and mineralisation through the season, enough for 4.5 - 5 t/ha.

**September 8th**  
First spring irrigation, 0.9 Ml/ha

WWW.IRRIGATEDCROPPINGCOUNCIL.COM.AU
**What's the Long Term Performance?**

Average yield as compared with Diamond for selected canola varieties at the ICC Trial Block.

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<td>5.17</td>
<td>3.82</td>
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The 2019 trial was affected by patchy and/or poor establishment due to waterlogging caused by rainfall approximately a week post irrigation. The decision was made to persevere with Replicate 1, abandon Replicate 2 and resow Replicate 3 on May 20th, when the site had dried out.

Unfortunately there is no replication and so the harvest yields must be only regarded as an indicator of a variety's performance.
Canola Conventional Varieties

**Diamond**
Early-mid maturing hybrid. The first to flower in the trial but has a longer flowering period compared with the other entries. Blackleg rating of MR (Groups ABF). Medium plant height. Bred and marketed by Nuseed Pty Ltd.

**Quartz**

Clearfield Varieties

**45Y93 CL**

**44Y90**
Early-mid maturity, displaying excellent adaptability, ideally suited to low to medium rainfall growing zones. Forms a compact canopy and offers dense pod-set along with uniform ripening. Exceptional early growth resulting in superior crop competition and early canopy closure which enhances weed control and reduces seed-set. Blackleg rating is R-MR (Groups AB). Good standability. Bred and marketed by Pioneer Hi-Bred.

Triazine Tolerant Varieties

**Hyola® 350TT**
Early maturing hybrid variety suited to low through to high rainfall zones. Short to medium plant height. Blackleg rating R (Groups ABDF). Released 2017. Bred and marketed by Advanta Seeds.

**HyTTec® Trident**
HyTTec Trident is an early maturing variety which has performed significantly above current hybrid and open-pollinated TT varieties in both NVT and internal trials. Blackleg R (Groups ABDF). Tested in 2018/19 as NCH15T103. Marketed by Nuseed. EPR $10.

**HyTTec® Trophy**

**Invigor T6010**
Invigor T6010 is a mid-late maturity TT hybrid. Blackleg rating of R (Groups BC). Tested as CHYB3668TT. Bred and marketed by BASF.

**Monola H421TT**
Monola H421TT is an early maturing variety with good yield performance against current hybrid TT varieties and highly adaptable to a range of growing environments. Internal Nuseed trials have shown exceptional early vigour, an adaptable yield and a strong oil profile. Compact plant architecture for improved harvest management. Good Blackleg resistance – MR. Marketed by Nuseed.
**Round-up Ready**

**43Y29**

**45Y28 RR**

**HYOLA® 410XX**
Early-mid maturity TruFlex® hybrid variety suited to low to high rainfall zones including irrigation. Estimated blackleg rating of R (company rating). NVT tested 2019 as Hyola® 410XX. Bred and marketed by Advanta Seeds.

**Invigor R 4022P**
Early-maturing TruFlex® hybrid with PodGuard®. Suited to low to medium rainfall zones. Estimated blackleg rating of R with Jockey® (company rating). NVT tested 2019 as InVigor® R 4022P. Bred and marketed by BASF. PodGuard® technology makes it suited to later windrowing timings or direct harvest. Estimated blackleg rating of R with Jockey (company rating). Bred and marketed by BASF.

**InVigor R 5520P**
Mid to mid-late maturing hybrid variety. PodGuard™ technology makes it suitable for flexible windrow timing or direct heading with reduced harvest losses. Medium height. Blackleg rating MR (Groups AC). NVT tested 2015-16 as AN14R9012. Released 2016. Bred and marketed by Bayer.

**Xseed™ Condor**
Mid-season TruFlex® hybrid. Tall height. Blackleg rating R (Groups ABD). Tested as NCH18Q421. Bred and marketed by Nuseed.

**Xseed™ Raptor**

**Dual Herbicide Resistance**

**“1893”**
1893 is an early-mid TruFlex® and TT hybrid variety. Blackleg rating R (Groups ABC). Tetsde as AN18Q4x1893RR2-0 and bred by BASF.

**HYOLA® 540XC**

**InVigor LT**
InVigor LT is an early-mid maturity, TT plus Liberty (Glufosinate) resistance. Tested as AN20LT001 and bred by BASF.

**TRIAL PARTNERS**

[Images of Pioneer, Pacific Seeds, BASF, and Nuseed logos]